

S17	3	"946024".ap. and direct\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:27
S19	719	358/525,523.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:57
S14	0	S13 and (((match\$5 or equaliz\$6 or equal or similar\$5) near3 characteristic) near5 half\$2ton\$3) and gamma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:57
S20	17	S19 and ((match\$5 or equaliz\$6 or equal or similar\$5) near3 characteristic) and half\$3ton\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:59
S15	5	S13 and ( gamma near3 characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:41
S24	0	"5345315".pn. and (match\$5 same level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:43
S23	1	"5345315".pn. and (match\$5 same bright\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:43
S22	0	"5345315".pn. and (match\$5 with bright\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:43
S21	1	"5345315".pn. and bright\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:43
S26	1	"5345315".pn. and (level)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:47
S25	1	"5345315".pn. and ((match\$5 or equal\$7) same bright\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:47

S28	0	"5345315".pn. and (halfton\$5 same characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:50
S27	2	"5345315".pn. and (densit\$5 adj2 value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:50
S29	0	"5345315".pn. and (half\$3ton\$5 same characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:52
S30	0	"5345315".pn. and (half\$3ton\$5 with (table or LUT or look\$2up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 11:53
S32	0	"741099".ap. and threshold\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:21
S31	0	"741099".ap. and threshold4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:21
S8	6	"741099".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:21
S33	6	"741099".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:26
S35	1	"741099".ap. and (dither\$5 with half\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:27
S34	1	"741099".ap. and dither\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:27
S18	1	"946024".ap. and (originat\$5 with produc\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:49

S36	1	"946024".ap. and (originat\$5 near3 computer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:50
S39	0	"946024".ap. and ((originat\$5 near3 computer) same direct\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:51
S38	0	"946024".ap. and ((originat\$5 near3 computer) same control\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:51
S37	1	"946024".ap. and ((originat\$5 near3 computer) same remot\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 13:51
S40	1	"946024".ap. and ((originat\$5 near3 computer) same direct\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 14:04
S42	2	"6280105".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 14:49
S41	2	"20010052998".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 14:49

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	((gamma near2 characteristic) near3 (display or monitor or lcd or crt)) same ((gamma near2 characteristic) near3 (half\$2ton\$3 )) .	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 09:57
S2	4	((gamma near2 characteristic) near3 (display or monitor or lcd or crt)) and ((gamma near2 characteristic) near3 (half\$2ton\$3 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 09:58
S4	11	((match\$5 near3 characteristic) near3 (half\$2ton\$3 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 10:04
S5	1	((match\$5 or equaliz\$6 or equal or similar\$5) near3 characteristic) near5 half\$2ton\$3) same gamma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 10:07
S7	2	"6356356".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 10:32
S11	2	"6831755".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 09:52
S13	15	("4656524"   "4786820"   "5081529"   "5093653"   "5296947"   "5345315"   "5408342"   "5461679"   "5563725"   "5585841"   "5692210"   "5828461"   "5877746"   "6563596"   "6608927").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/09 09:53
S12	0	("6831755").URPN.	USPAT	OR	ON	2005/11/09 09:53
S6	10	((match\$5 or equaliz\$6 or equal or similar\$5) near3 characteristic) near5 half\$2ton\$3) and gamma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 09:53
S3	14	((gamma near2 characteristic) near3 (half\$2ton\$3 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:21
S16	0	"946024".ap. and delay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/09 10:26

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	217	(toru near3 fujita).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:16
L2	14	(toru near3 fujita).in. and (gamma near3 characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L3	5	2 and ((gamma or half\$2ton\$5) near3 (table or lut or lookup or look-up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L4	16	(toru near3 fujita).in. and (gamma)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L5	7	4 and ((gamma or half\$2ton\$5) near3 (table or lut or lookup or look-up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	217	(toru near3 fujita).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:16
L2	14	(toru near3 fujita).in. and (gamma near3 characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:49
L3	5	2 and ((gamma or half\$2ton\$5) near3 (table or lut or lookup or look-up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L4	16	(toru near3 fujita).in. and (gamma)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L5	7	4 and ((gamma or half\$2ton\$5) near3 (table or lut or lookup or look-up))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:38
L6	2	(toru near3 fujita).in. and ((gamma near3 characteristic) with match\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:49
L7	946	358/406.ccis.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:49
L8	20	7 and (gamma near3 characteristic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:49
L9	2	7 and ((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 20:50

[Search Result - Print Format](#)[< Back to](#)

**Key:** IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, II CNF = IEE Conference, IEEE STD = IEEE Standard

**1. Inverse halftoning using binary permutation filters**

Yeong-Taeg Kim; Arce, G.R.; Grabowski, N.;  
Image Processing, IEEE Transactions on  
Volume 4, Issue 9, Sept. 1995 Page(s):1296 - 1311

IEEE JNL

**2. JPEG-compliant perceptual coding for a grayscale image printing pipeline**

Vander Kam, R.A.; Ping Wah Wong; Gray, R.M.;  
Image Processing, IEEE Transactions on  
Volume 8, Issue 1, Jan. 1999 Page(s):1 - 14

IEEE JNL

**3. Digital color halftoning with generalized error diffusion and multichannel green-noise masks**

Lau, D.L.; Arce, G.R.; Gallagher, N.C.;  
Image Processing, IEEE Transactions on  
Volume 9, Issue 5, May 2000 Page(s):923 - 935

IEEE JNL

**4. Optimized halftoning using dot diffusion and methods for inverse halftoning**

Mese, M.; Vaidyanathan, P.P.;  
Image Processing, IEEE Transactions on  
Volume 9, Issue 4, April 2000 Page(s):691 - 709

IEEE JNL

**5. Tree-structured method for LUT inverse halftoning and for image halftoning**

Mese, M.; Vaidyanathan, P.P.;  
Image Processing, IEEE Transactions on  
Volume 11, Issue 6, June 2002 Page(s):644 - 655

IEEE JNL

**6. Blue and green noise halftoning models**

Lau, D.L.; Ulichney, R.; Arce, G.R.;  
Signal Processing Magazine, IEEE  
Volume 20, Issue 4, July 2003 Page(s):28 - 38

IEEE JNL

**7. Joint Image Halftoning and Watermarking In High-Resolution Digital Form**

Chao-Yong Hsu; Chun-Shien Lu;  
Multimedia and Expo, 2005. ICME 2005. IEEE International Conference on  
06-06 July 2005 Page(s):534 - 537

IEEE CNF

**8. Improved techniques for watermarking halftone images**

Sherry, P.; Savakis, A.;  
Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04). IEEE International Conference on  
Volume 5, 17-21 May 2004 Page(s):V - 1005-8 vol.5

IEEE CNF

9. **Digital halftoning with optimized dither array**  
Abe, Y.;  
Circuits and Systems, 2001. ISCAS 2001. The 2001 IEEE International Symposium on  
Volume 2, 6-9 May 2001 Page(s):517 - 520 vol. 2  
**IEEE CNF**
10. **Model-based digital halftoning with adaptive eye filters**  
Nishida, H.;  
Image Processing, 2001. Proceedings. 2001 International Conference on  
Volume 2, 7-10 Oct. 2001 Page(s):1069 - 1072 vol.2  
**IEEE CNF**
11. **Look up table (LUT) method for image halftoning**  
Mege, M.; Vaidyanathan, P.P.;  
Image Processing, 2000. Proceedings. 2000 International Conference on  
Volume 3, 10-13 Sept. 2000 Page(s):993 - 996 vol.3  
**IEEE CNF**
12. **Adaptive threshold error diffusion technique for color inkjet printing**  
Byonghyo Shim; Wonyong Sung;  
Image Processing, 1997. Proceedings., International Conference on  
Volume 1, 26-29 Oct. 1997 Page(s):779 - 782 vol.1  
**IEEE CNF**
13. **A color halftoning algorithm for low-bit flat panel displays**  
Je-Ho Lee; Yong-Moo Kwon; Hyoung-Gon Kim;  
Image Processing, 1995. Proceedings., International Conference on  
Volume 2, 23-26 Oct. 1995 Page(s):346 - 349 vol.2  
**IEEE CNF**
14. **Lossy compression of clustered-dot halftones using sub-cell prediction**  
Vander Kam, R.A.; Gray, R.M.;  
Data Compression Conference, 1995. DCC '95. Proceedings  
28-30 March 1995 Page(s):112 - 121  
**IEEE CNF**
15. **A new imaging science phantom for performance evaluation of ultrasonic imaging systems**  
Phillips, D.; Parker, K.J.;  
Ultrasonics Symposium, 1995. Proceedings., 1995 IEEE  
Volume 2, 7-10 Nov. 1995 Page(s):1357 - 1360 vol.2  
**IEEE CNF**
16. **Digital halftoning using a blue noise mask**  
Mitsa, T.; Parker, K.J.;  
Acoustics, Speech, and Signal Processing, 1991. ICASSP-91., 1991 International Conference on  
14-17 April 1991 Page(s):2809 - 2812 vol.4  
**IEEE CNF**
17. **From Σ-Δ modulation to digital halftoning of images**  
Bernard, T.;  
Acoustics, Speech, and Signal Processing, 1991. ICASSP-91., 1991 International Conference on  
14-17 April 1991 Page(s):2805 - 2808 vol.4  
**IEEE CNF**
18. **Customized JPEG compression for grayscale printing**  
Vander Kam, R.A.; Wong, P.W.;

Data Compression Conference, 1994. DCC '94. Proceedings  
29-31 March 1994 Page(s):156 - 165

IEEE CNF

19. Segmentation of character and natural image documents with neural network model for facsimile equipment  
Ikeda, A.; Shimodaira, Y.;  
Instrumentation and Measurement Technology Conference, 1994. IMTC/94. Conference Proceedings. 10th Anniversary. Advanced Technologies in I & M., 1994 IEEE

10-12 May 1994 Page(s):149 - 152 vol.1

IEEE CNF

20. Inverse halftoning for monochrome pictures

Li-Ming Chen; Hsueh-Ming Hang;

Image Processing, 1994. Proceedings. ICIP-94., IEEE International Conference  
Volume 2, 13-16 Nov. 1994 Page(s):1022 - 1026 vol.2

IEEE CNF

21. Inverse ordered dithered halftoning using permutation filters

Yeong-Taeg Kim; Arce, G.R.;

Image Processing, 1994. Proceedings. ICIP-94., IEEE International Conference  
Volume 2, 13-16 Nov. 1994 Page(s):1017 - 1021 vol.2

IEEE CNF



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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10608	358/519,518,521,534,535,536,1,9, 530,448,1,1,442,406,525,523.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:45
L2	2439	382/167,260,270.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:46
L3	693	430/31.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:46
L4	335	347/131.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:46
L5	32	(1 or 2 or 3 or 4) and (((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:47
L6	56	(1 or 2 or 3 or 4) and (((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:54
L7	7	(1 or 2 or 3 or 4) and (((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5)) same (input\$5 near4 (level)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:51
L8	7	(1 or 2 or 3 or 4) and (((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5)) same (input\$5 near4 (brightness or densit\$5 or tone)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:53
L9	7	(1 or 2 or 3 or 4) and (((((gamma or ".gamma.") near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5)) same (input\$5 near4 (brightness or densit\$5 or tone)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:53
L10	27	(1 or 2 or 3 or 4) and (((gamma near3 characteristic) with (match\$5 or equaliz\$5 or equal\$5 or correspond\$5)) and (half\$3ton\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/13 21:54